AMENDMENTS TO THE CLAIMS WITH MARKINGS TO SHOW CHANGES MADE, AND LISTING OF ALL CLAIMS WITH PROPER IDENTIFIERS

1. (Currently amended) A rotor device, comprising:

a laminated core arrangement mounted on a shaft and having axial bores for conduction of a coolant, and

two rotor pressure rings mounted on the shaft to ~~for axial securement of~~ to secure the laminated core arrangement therebetween, wherein at least one of the two rotor pressure rings is configured for ~~routing the~~ coolant to enter and exit through the axial bores, with coolant entering the rotor pressure ring from an area outside the shaft, said rotor pressure ring having a coolant leadthrough in fluid communication with a first plurality of axial bores for exit of coolant, a bore assembly in fluid communication with a second plurality of axial bores for entry of coolant, and a coolant routing wall which projects obliquely outward away from the bore assembly to conceal the bore assembly in an axial direction and to enhance a flow dynamics for the coolant with respect to the bore assembly.

2. (Previously presented) The rotor device as claimed in claim 1, wherein the coolant leadthrough has axial bores fluidly connected in one-to-one correspondence with a group of axial bores of the laminated core arrangement, with a coolant stream through the axial bores of the group being essentially identical.

3. (Previously presented) The rotor device as claimed in claim 2, wherein the group has two axial bores.

4. (Previously presented) The rotor device as claimed in claim 1, wherein the other one of the rotor pressure rings is of identical construction and arranged at an opposite end of the laminated core arrangement such that the first and second pluralities of axial bores conduct coolant in opposite directions with respect to one another.

5. (Previously presented) The rotor device as claimed in claim 1, wherein the at least one of the rotor pressure rings has rounded edges at predetermined areas for improving a coolant flow.

6. (Previously presented) The rotor device as claimed in claim 1, wherein the at least one rotor pressure ring is configured as a fan.

7. (Previously presented) The rotor device as claimed in claim 6, wherein the at least one rotor pressure ring is constructed in one piece.

8. (Previously presented) The rotor device as claimed in claim 1, wherein the at least one rotor pressure ring is made of spheroidal graphite iron.

9. (Previously presented) The rotor device as claimed in claim 1, wherein the two rotor pressure rings are of similar configuration and extend on a common axis in such a manner that the rotor pressure rings are disposed in circumferentially offset relationship by a bore.

10.-14. (Canceled)

15. (Previously presented) An electric machine having a rotor device as claimed in claim 1.

16. (Previously presented) The rotor device as claimed in claim 2, wherein the group has three axial bores.

17. (Previously presented) The rotor device as claimed in claim 2, wherein the group has four axial bores.

18.-19. (Canceled)

20. (Previously presented) The rotor device as claimed in claim 2, wherein the two rotor pressure rings are of similar configuration and extend on a common axis in such a manner that the rotor pressure rings are disposed in circumferentially offset relationship by the group of bores.

21. (Previously presented) The rotor device as claimed in claim 4, wherein the other one of the rotor pressure rings is positioned at opposite ends of the laminated core arrangement at an angular offset of 36° in relation to the one rotor pressure ring.

22. (Previously presented) The rotor device as claimed in claim 1, wherein the coolant is air.

23. (Currently amended) A rotor device, comprising:

a laminated core arrangement mounted on a shaft and having a plurality of axial bores for conduction of a coolant, and

two rotor pressure rings mounted offset to one another on the shaft at opposite ends of the laminated core arrangement for axial securement of the laminated core arrangement, wherein one of the two rotor pressure rings is configured for routing the coolant through a first plurality of the axial bores, and the other one of the rotor pressure rings is configured for routing the coolant through a second plurality of the axial bores, each said rotor pressure ring having a coolant leadthrough for exit of coolant in fluid communication with one of the first and second pluralities of axial bores, a bore assembly in fluid communication with the other one of the first and second pluralities of axial bores for incoming coolant from an area outside the shaft, and a coolant routing wall which projects obliquely outward away from the bore assembly to conceal the bore assembly in an axial direction and to enhance a flow dynamics for the coolant with respect to the bore assembly.